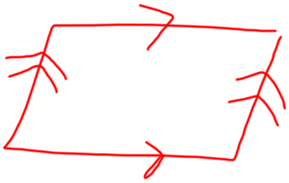
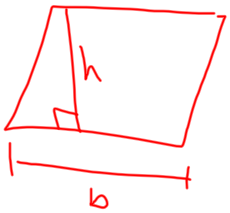
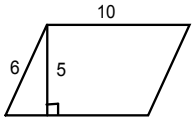
8-5 Area of Parallelograms



Area = base x height

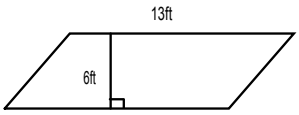




$A = bh$

$= 5 \cdot 10$

$A = 50 \text{ units}^2$



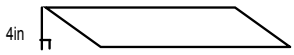
$A = bh$

$6 \cdot 13$

$A = 78 \text{ ft}^2$

A = 48in ^{2}

base =

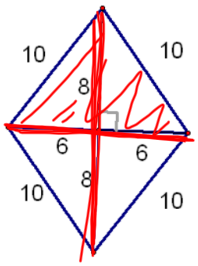


$A = bh$

$48 = b \cdot 4$

$12_{in} = b$

Rhombus



$12 \cdot 16$

$\frac{1}{2} \cdot 192$

96

TOP BOTTOM

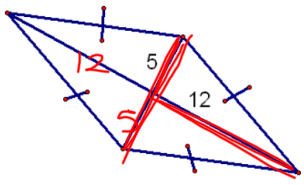
$\frac{1}{2}bh + \frac{1}{2}bh$

$\frac{1}{2}12 \cdot 8 + \frac{1}{2}12 \cdot 8$

$48 + 48$

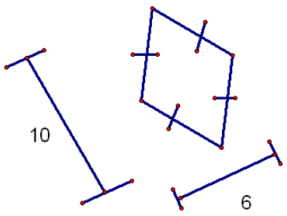
$= 96 \text{ units}^2$

Area of a rhombus = $\frac{1}{2} d_1 \times d_2$



$A = \frac{1}{2} 10 \cdot 24$

$A = 120 \text{ units}^2$



$A = \frac{1}{2} 10 \cdot 6$

$= 30 \text{ units}^2$

HW
p442-443
8-14, 18-27